

[54] AUTOMATED INSTRUCTION, GAME AND DATA RETRIEVAL SYSTEM

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## [56] References Cited

### U.S. PATENT DOCUMENTS

3,924,339	12/1975	Wilson et al. ....	434/308
3,934,226	1/1976	Stone et al. ....	434/308
3,942,268	3/1976	Wilson ....	434/308
3,996,671	12/1976	Foster ....	434/321
4,000,510	12/1976	Cheney et al. ....	358/903
4,052,798	10/1977	Tomita et al. ....	434/307
4,060,915	12/1977	Conway ....	434/307
4,081,184	3/1978	Brooks ....	369/24
4,091,550	5/1978	Schrenk et al. ....	434/366
4,258,385	3/1981	Greenberg et al. ....	358/311
4,259,668	3/1981	Nishimura et al. ....	340/711
4,305,131	12/1981	Best ....	364/410
4,321,673	3/1982	Hawwass et al. ....	364/410
4,332,022	5/1982	Ceshkovsky et al. ....	358/342
4,333,152	6/1982	Best ....	358/102
4,360,345	11/1982	Hon ....	434/307
4,384,284	5/1983	Juso et al. ....	434/307
4,386,375	5/1983	Altman ....	358/327

### OTHER PUBLICATIONS

Robert Rathbun, "Unique Interactive Training System

Designed to Save Time, Money and Lives", Video User, Aug. 1981, p. 10.

Hessinger, Lynn, "Computer and Videodisc: A new way to teach CPR", Biomedical Communications, 9/1981, p. 12.

Hon, David C., "Disc Production", Nos. I thru VI, Videodisc News, Mar. thru Aug., 1981.

Hon, David C., "Interactive Video", Video User, 9/1981 thru 1/1982.

Levitt, Harry and Slosberg, Ronald, Educational Technology, p. 42, "Computer Simulated Patients for Enhancing Clinical Experiences", 6/78.

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## [57] ABSTRACT

An automated interactive game, instruction and reference system having an optical laser videodisc player unit and using a videodisc record on which are recorded segmented groups of graphic and pictorial video information data interspersed with segmented groups of system control and programming data, a television video display unit, a user command/response unit having user manual input controls of variable functions and variable labelling means therefor to indicate the current function as established by signals from said videodisc record, and control processor means for receiving short segments of programming data from said videodisc record and distributing information signals from said videodisc record to the other units in accordance with said programming data.

20 Claims, 19 Drawing Figures

